# CLAIMS

Please amend the claims as follows.

1. (Previously presented) A method, comprising:

selecting a plurality of corners within an original image projected as a distorted image on a projection surface using an input from a user through a graphical user interface; and

predistorting the original image to account for any keystone distortion responsive to the selecting, where the predistorted image exhibits no keystone distortion when projected on the projection surface.

2. (Previously presented) The method of claim 1 comprising:

aligning a center of the original projected image with a center of the projection surface.

3. (Original) The method of claim 2 where the distorting is responsive to the aligning.

4. (Original) The method of claim 2 where the aligning is before the selecting.

5. (Original) The method of claim 2 comprising fixing a center of the predistorted image coincident with the center of the projection surface.

6. (Original) The method of claim 1 where the selecting comprises selecting two corners of the image.

7. (Original) The method of claim 1 where the selecting comprises selecting four corners of the image.

8. (Previously presented) A method, comprising:

selecting a plurality of corners within an original image projected as a distorted image on a projection surface using a graphical user interface; and

predistorting the original image responsive to the selecting, where the predistorted image exhibits no distortion when projected on the projection surface;

where the selecting comprises using an on screen display means to do the selecting.

9.  (Previously presented) A method, comprising:

selecting a plurality of corners within an original image projected as a distorted image on a projection surface using a graphical user interface; and

predistorting the original image responsive to the selecting, where the predistorted image exhibits no distortion when projected on the projection surface;

where the predistorting the image comprises scaling the image.

10.  (Original) The method of claim 9 where the scaling comprises vertically scaling the image.

11.  (Original) The method of claim 10 where the vertically scaling comprises calculating vertical scalar registers.

12.  (Original) The method of claim 9 where the scaling comprises horizontally scaling the image.

13.  (Original) The method of claim 12 where the horizontally scaling comprises calculating horizontal scalar registers.

14.  (Currently amended) An apparatus, comprising:

means for graphically selecting a plurality of corners within an original image projected as ~~projected~~ a distorted image on a projection surface using an input from a user through a graphical user interface; and

means for predistorting the original image to account for any keystone distortion responsive to the ~~plurality of corners~~ selecting, where the predistorted image exhibits no keystone distortion when projected on the projection surface.

15.     (Original) The apparatus of claim 14 comprising:
means for aligning a center of the image with a center of the projection surface.

16.     (Original) The apparatus of claim 15 where the means for distorting is responsive to the center of the image.

17.     (Original) The apparatus of claim 15 where the means for distorting fixes the center of the distorted image with the center of the projection surface.

18.     (Original) The apparatus of claim 14 where the means for selecting is capable of selecting two corners of the image.

19.     (Original) The apparatus of claim 14 where the means for selecting is capable of selecting four corners of the image.

20.     (Currently amended) An apparatus, comprising:
means for ~~graphically~~ selecting a plurality of corners within an original image ~~as~~ projected <u>as a</u> distorted <u>image</u> on a projection surface <u>using a graphical user interface</u>; and
        means for <u>pre</u>distorting the <u>original</u> image responsive to the <u>selecting, where the predistorted image exhibits no distortion when projected on the projection surface</u> ~~plurality of corners~~;
        where the means for selecting comprises a means for <u>using an</u> on screen display <u>means</u> to <u>do the selecting</u> ~~interact with a user to select the plurality of corners~~.

21.     (Currently amended) An apparatus, comprising:
means for ~~graphically~~ selecting a plurality of corners within an original image ~~as~~ projected <u>as a</u> distorted <u>image</u> on a projection surface <u>using an input from a user through a graphical user interface</u>; and
        means for <u>pre</u>distorting the <u>original</u> image <u>to account for any keystone distortion</u> responsive to the ~~plurality of corners~~ <u>selecting, where the predistorted image exhibits no keystone distortion when projected on the projection surface</u>;

where the means for <u>pre</u>distorting the image comprises means for scaling the image.

22.    (Original) The apparatus of claim 21 where the means for scaling comprises means for vertically scaling the image.

23.    (Original) The apparatus of claim 21 where the means for vertically scaling comprises means for calculating vertical scalar registers.

24.    (Original) The method of claim 21 where the means for scaling comprises means for horizontally scaling the image.

25.    (Original) The apparatus of claim 24 where the means for horizontally scaling comprises means for calculating horizontal scalar registers.

26.    (Currently amended) An apparatus, comprising:
a user interface to allow a user to graphically ~~identify~~ <u>select</u> a plurality of corners of an original image ~~as~~ projected as a distorted image on a <u>projection</u> surface <u>using an input from a user through a graphical user interface</u>;
a controller to <u>pre</u>distort the <u>original</u> image to account for any keystone distortion responsive to the ~~plurality of corners~~ <u>selection, where the predistorted image exhibits no keystone distortion when projected on the projection surface</u>.

27.    (Original) The apparatus of claim 26 where the interface aligns the image with a center of the surface.

28.    (Original) The apparatus of claim 26 where the interface is a graphical user interface.

29.    (Currently amended) An apparatus, comprising:

a user interface to allow a user to graphically ~~identify~~ <u>select</u> a plurality of corners of an original image ~~as~~ projected as a distorted image on a <u>projection</u> surface <u>using an input from a user through a graphical user interface</u>;

a controller to <u>predistort</u> the <u>original</u> image <u>to account for any keystone distortion</u> responsive to the ~~plurality of corners~~ <u>selection, where the predistorted image exhibits no keystone distortion when projected on the projection surface</u>;

where the controller comprises:

a vertical scalar to vertically scale the image; and

a horizontal scalar to horizontally scale the image.

30.    (Original) The apparatus of claim 29 where the controller sets scalar registers.

31.    (Original) The apparatus of claim 30 where the vertical and horizontal scalars operate responsive to the scalar registers.

32.    (Original) The apparatus of claim 26 where the plurality of corners is two.

33.    (Original) The apparatus of claim 26 where the plurality of corners is four.

34.    (Original) The apparatus of claim 26 where the controller generates a distorted image before projecting the distorted image on the surface.

35.    (Currently amended) ~~A~~ <u>The</u> method <u>of claim 1</u> comprising:

~~graphically selecting a plurality of corners within an original image projected as a~~ ~~distorted image on a projection surface using a graphical user interface; and~~

graphically aligning a center of the image with a center of the projection surface using the graphical user interface; ~~and~~

vertically scaling the original image responsive to the graphically selecting and aligning by calculating vertical scalar registers;

horizontally scaling the original image responsive to the graphically selecting and aligning by calculating horizontal scalar registers.

~~where the predistorted image exhibits no distortion when projected on the projection surface~~.

36.    (Previously presented) The method of claim 1, where the original image projected as a distorted image on a projection surface appears wider at the top than at the bottom.

37.    (Previously presented) The apparatus of claim 14, where the original image projected distorted on a projection surface appears wider at the top than at the bottom.